BUILDINGWORK
architecture design preservation

Correction Notice #2: ORDINANCE March 12, 2021

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Project No.	6508387
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Gordon:
Please see below responses to ORDINANCE Correction Notice #3 dated January 21, 2021.

Corrections:

1. *SBC 426.5 - Transformer vaults shall be located where they can be ventilated to the outside air without using flues or ducts whenever practicable. Revise the drawings to show the air intake vent into the transformer vault. See sht A100.*

PARTIALLY RESOLVED:
Note on plans that transformer air intake vent will be protected by a 3-hour fire damper as required per 426.8.3.3. See sheet A1.01

PARTIALLY RESOLVED:
The mechanical plans do not indicate a 3-hour fire damper will be used. Revise the mechanical plans to note this -AND- to show a damper symbol in the plan drawing on sheet M201.

Response: See revisions in drawing set on M201 and A201 noting revised location of air intake for vault (per coordination with SCL), and mechanical clarification of 3-hour damper on M201 per keynote 16 (clouded). Revised sheets M202 and A202 have also been included noting revised duct routing for air intake from exterior of building at floor 1 to vault.

2. *SBC 426.7.2 - RESOLVED*
3. *SBC 503.1 - RESOLVED*
4. *SBC 505.2 – RESOLVED*

5. *SBC 704.10 - Structural members located within exterior walls shall be provided with the highest fire resistance rating as determined by tables 601 and 602. Exterior bearing walls of type III construction require a 2 hour fire resistance rating. Update the exterior bearing walls of stair #2 and the adjoining corridor at the third floor level to provide the required 2 hour fire resistance rating. See shts A103 & A400.*

   Response: Structural members for walls at stair 2 are encased within fire rated assemblies. See plan sheets A103 for walls, tagged with exterior bearing wall type X6 and interior-to-corridor wall type B-2 (no change from previous submission).

   Sheet A400 has been revised to list the UL assembly for fire rated exterior bearing walls X6 described at stair 2.

   Sheet A701 (previously submitted) notes UL assembly for fire rating at wall type B-2 at corridor (UL U411/U423)

PARTALLY RESOLVED:
Provide a listed and tested assembly for the 2-hour glass wall that is noted at Stair #1.

PARTIALLY RESOLVED:
1) *Okay on 1 hour versus 2 hour.*
2) *It appears the assemblies you list will work. Provide a ICC-ES report for each product. The report must show that the products will work in the proposed configurations.*

   Response: See new sheet A710 to describe include FireFrames curtainwall detailing in compliance with manufacturers standards to meet UL263 product testing for rated assembly. See attached documentation describing full UL certification in lieu of ICC-ES report.

6. *SBC 1007.8 - RESOLVED*
7. *SBC 3201.4 - RESOLVED NEW ITEMS*
8. *SBC 1014.2 – RESOLVED*
9. *SBC 1021.2 – RESOLVED*
10. *SBC 1022.4 – RESOLVED*

End of Correction Response

Fire-Rated Steel Curtain Wall
Fire Rating: 45/60/120 Minutes

Fireframes® Curtainwall Series incorporates precise European engineering allowing for large, multi-story expanses of glass in interior and exterior applications using narrow steel profiles.

BIM 3D Model Available

UL Classified & Labeled

Fire-Rated

Hose Stream Tested

Heat Barrier

Positive Pressure Tested

Stainless Steel Option

FEATURES

- Fire ratings of 45, 60 and 120 minutes with required hose stream test
- Unrestricted glazing area for use in locations where total glazing exceeds 25% of wall area (60 and 120 minutes)
- Compatible with full-lite doors from TGP in single leaf or double leaf design (see Fireframes Designer Series or Fireframes Heat Barrier Series)
- Narrow steel and stainless steel profiles
- Air and water pressure tested and approved for exterior use
- Easy installation similar to typical pressure plate curtain wall
- Frames supplied “K-D” (knock down) ready for installation or welded depending on application
- Incorporates large individual panes of Pilkington Pyrostop® fire-resistive-rated glass, composed of Pilkington Optiwhite™ glass and clear intumescent interlayers
- Durable steel and stainless steel frames ensure low maintenance system
- Finished face caps (aluminum, stainless steel, etc.) to meet project needs
- Custom aluminum face caps to meet project needs
- Finish painted at the factory to match desired color scheme
- Select profiles are available in 304 stainless steel up to 60 minutes (#4 brush finish)

LISTINGS/STANDARDS

Classified and labeled by Underwriters Laboratories Inc. and Underwriters Laboratories of Canada. File numbers R25274 (walls) and R25229 (windows), design number U537 (W473 Canada). Frame tests performed in accordance with:

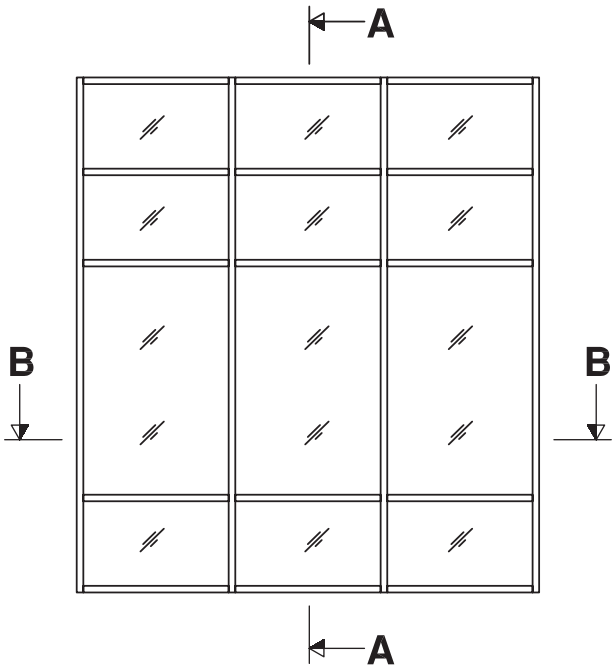
UL 9	NFPA 251	CAN/ULC-S101	ASTM E119	LARR 25798	AAMA 501.1
UL 263	NFPA 257	CAN 4 S-106	ASTM E283		
			ASTM E330		
			ASTM E331		

FRAMING

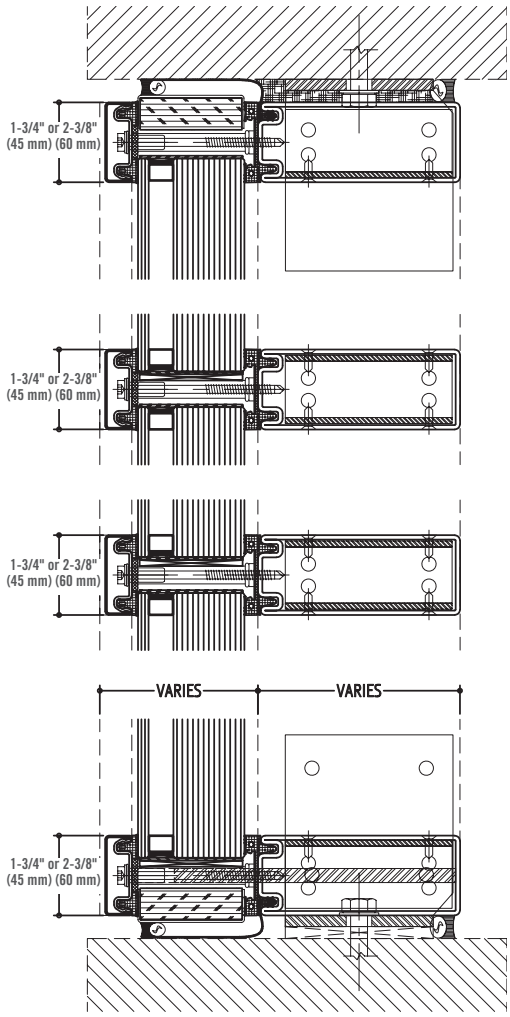
RATING	MAX. EXPOSED GLASS AREA PER PIECE	MAX. EXPOSED GLASS DIMENSION
45 min.*	4,500 in^2 (2.90 m^2)	95–1/4" (2.42 m)
60 min.**	7,442 in^2 (4.80 m^2)	118-1/8" (3.00 m)
120 min.**	3,730 in^2 (2.41 m^2)	111" (2.81 m)

* 45 minute window systems are classified as an Opening Protective as per UL 9 with a maximum overall frame size of 152 square feet.
** 60 and 120-minute tests conducted per UL 263 / ASTM E-119. Therefore assembly is classified as a wall assembly, and not subject to “opening” area limitations.
Note: Individual lite sizes cannot exceed “Max. Exposed Area” shown above.

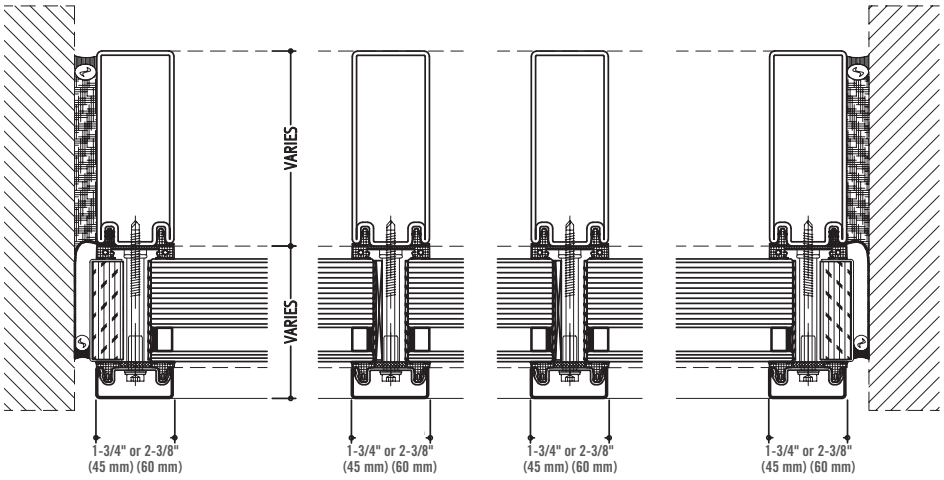
DETAIL DRAWINGS



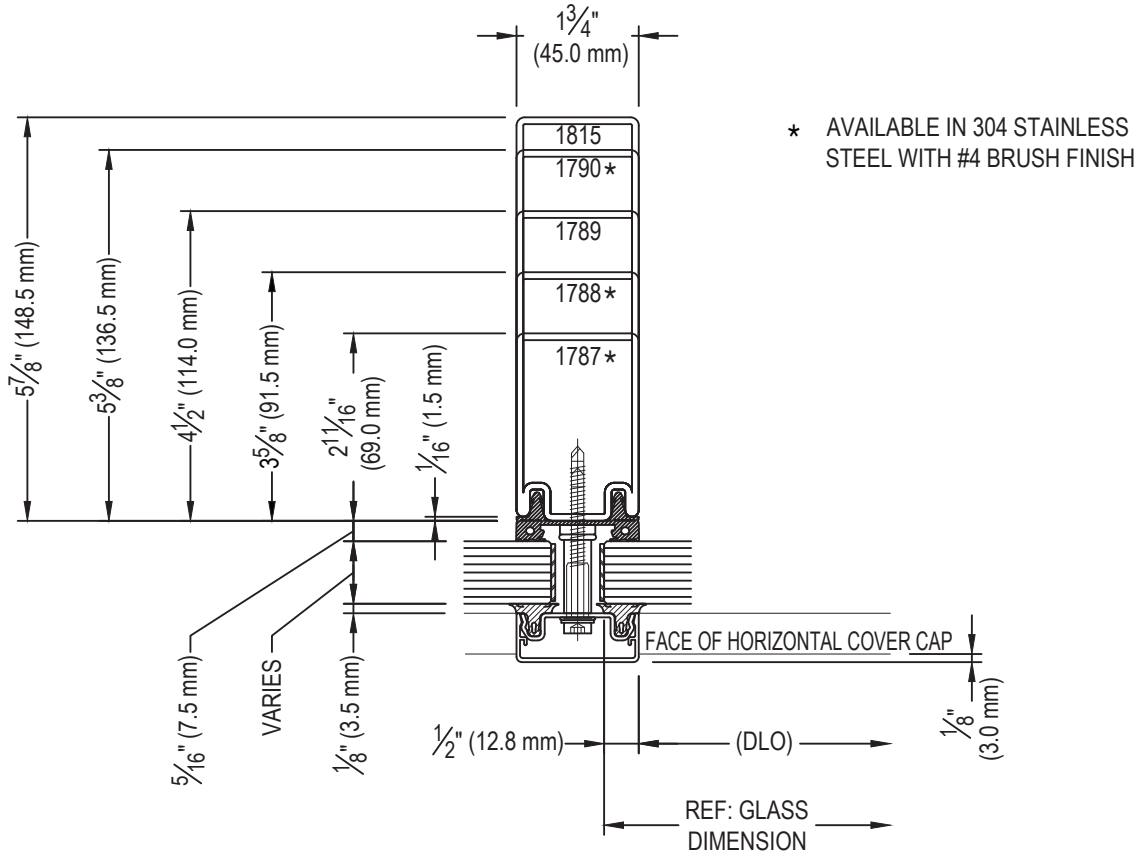
A–A



B–B

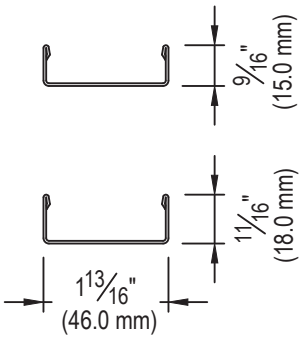


45 MM MULLION PROFILE OPTIONS

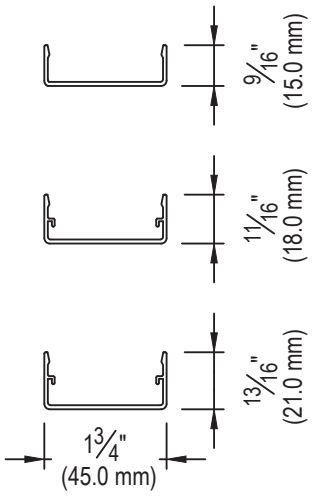


* AVAILABLE IN 304 STAINLESS STEEL WITH #4 BRUSH FINISH

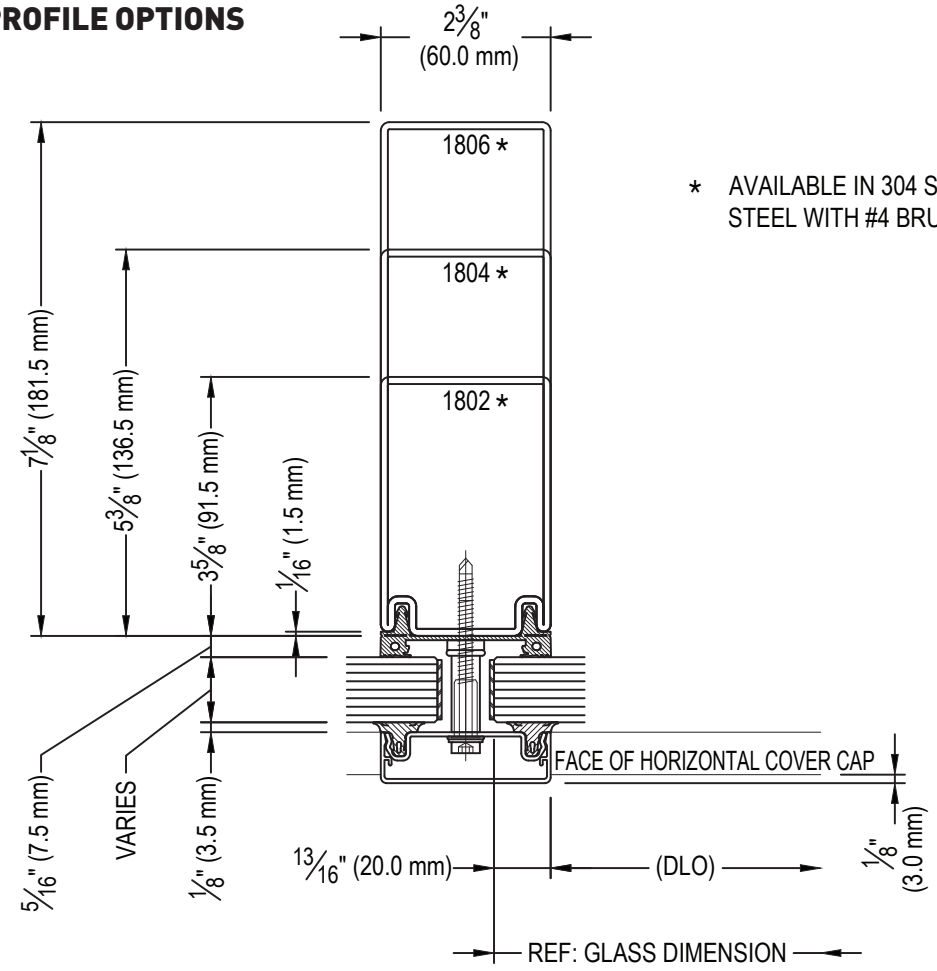
STAINLESS STEEL COVER CAPS



ALUMINUM COVER CAPS



60 MM MULLION PROFILE OPTIONS



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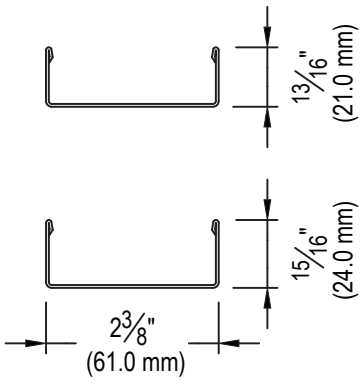

ALUMINUM COVER CAPS